Joanna Kolmas

List of Publications by Year
in descending order

44 papers	1,453 citations	361413 20 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	1873 citing authors

#	Article	IF	Citations
1	Antibacterial and Cytotoxicity Evaluation of New Hydroxyapatite-Based Granules Containing Silver or Gallium Ions with Potential Use as Bone Substitutes. International Journal of Molecular Sciences, 2022, 23, 7102.	4.1	9
2	Noncytotoxic zinc-doped nanohydroxyapatite-based bone scaffolds with strong bactericidal, bacteriostatic, and antibiofilm activity. , 2022, 139, 213011.		10
3	Mg,Siâ€"Co-Substituted Hydroxyapatite/Alginate Composite Beads Loaded with Raloxifene for Potential Use in Bone Tissue Regeneration. International Journal of Molecular Sciences, 2021, 22, 2933.	4.1	11
4	Synthesis and physicochemical characterization of Zn-doped brushite. Ceramics International, 2021, 47, 7798-7804.	4.8	9
5	The Influence of Strontium on Bone Tissue Metabolism and Its Application in Osteoporosis Treatment. International Journal of Molecular Sciences, 2021, 22, 6564.	4.1	109
6	Porous Composite Granules with Potential Function of Bone Substitute and Simvastatin Releasing System: A Preliminary Study. Materials, 2021, 14, 5068.	2.9	4
7	Polymeric bisphosphonate derivative of ciprofloxacin â€" synthesis, structural analysis and antibacterial activity of the prospective conjugate. International Journal of Polymeric Materials and Polymeric Biomaterials, 2020, 69, 691-702.	3.4	3
8	Modifications of Hydroxyapatite by Gallium and Silver Ionsâ€"Physicochemical Characterization, Cytotoxicity and Antibacterial Evaluation. International Journal of Molecular Sciences, 2020, 21, 5006.	4.1	20
9	Effects of Synthesis Conditions on the Formation of Si-Substituted Alpha Tricalcium Phosphates. International Journal of Molecular Sciences, 2020, 21, 9164.	4.1	10
10	Biologically Inspired Collagen/Apatite Composite Biomaterials for Potential Use in Bone Tissue Regenerationâ€"A Review. Materials, 2020, 13, 1748.	2.9	56
11	Biological Response to Macroporous Chitosan-Agarose Bone Scaffolds Comprising Mg- and Zn-Doped Nano-Hydroxyapatite. International Journal of Molecular Sciences, 2019, 20, 3835.	4.1	37
12	Zn2+ and SeO32âˆ' co-substituted hydroxyapatite: Physicochemical properties and biological usefulness. Ceramics International, 2019, 45, 22707-22715.	4.8	11
13	Hydroxyapatite and Fluorapatite in Conservative Dentistry and Oral Implantologyâ€"A Review. Materials, 2019, 12, 2683.	2.9	141
14	Dual Doping of Silicon and Manganese in Hydroxyapatites: Physicochemical Properties and Preliminary Biological Studies. Materials, 2019, 12, 2566.	2.9	8
15	Selenium-Enriched Brushite: A Novel Biomaterial for Potential Use in Bone Tissue Engineering. International Journal of Molecular Sciences, 2018, 19, 4042.	4.1	7
16	Selenium-Doped Hydroxyapatite Nanocrystalsâ€"Synthesis, Physicochemical Properties and Biological Significance. Crystals, 2018, 8, 188.	2.2	24
17	Novel hybrid material based on Mg2+ and SiO44- co-substituted nano-hydroxyapatite, alginate and chondroitin sulphate for potential use in biomaterials engineering. Ceramics International, 2018, 44, 18551-18559.	4.8	18
18	The influence of substituted hydroxyapatites heat treatment on citrate sorption behavior â€" infrared spectroscopy experiments and adsorption studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 23-32.	4.7	6

#	Article	IF	Citations
19	Effect of carbonate substitution on physicochemical and biological properties of silver containing hydroxyapatites. Materials Science and Engineering C, 2017, 74, 124-130.	7.3	29
20	Substitution of strontium and boron into hydroxyapatite crystals: Effect on physicochemical properties and biocompatibility with human Wharton-Jelly stem cells. Materials Science and Engineering C, 2017, 79, 638-646.	7.3	23
21	Hydroxyapatites enriched in silicon â€“ Bioceramic materials for biomedical and pharmaceutical applications. Progress in Natural Science: Materials International, 2017, 27, 401-409.	4.4	54
22	Fabrication and physicochemical characterization of porous composite microgranules with selenium oxyanions and risedronate sodium for potential applications in bone tumors. International Journal of Nanomedicine, 2017, Volume 12, 5633-5642.	6.7	21
23	Ionic Substitutions in Non-Apatitic Calcium Phosphates. International Journal of Molecular Sciences, 2017, 18, 2542.	4.1	57
24	Pamidronate-Conjugated Biodegradable Branched Copolyester Carriers: Synthesis and Characterization. Molecules, 2017, 22, 1063.	3.8	7
25	Synthetic hydroxyapatite in pharmaceutical applications. Ceramics International, 2016, 42, 2472-2487.	4.8	117
26	Near-Infrared (NIR) Spectroscopy of Synthetic Hydroxyapatites and Human Dental Tissues. Applied Spectroscopy, 2015, 69, 902-912.	2.2	24
27	Selenium-Substituted Hydroxyapatite/Biodegradable Polymer/Pamidronate Combined Scaffold for the Therapy of Bone Tumour. International Journal of Molecular Sciences, 2015, 16, 22205-22222.	4.1	13
28	Alpha-tricalcium phosphate synthesized by two different routes: Structural and spectroscopic characterization. Ceramics International, 2015, 41, 5727-5733.	4.8	37
29	Solidâ€State NMR Study of Mn²⁺ for Ca²⁺ Substitution in Thermally Processed Hydroxyapatites. Journal of the American Ceramic Society, 2015, 98, 1265-1274.	3.8	12
30	A Solid-State NMR Study of Selenium Substitution into Nanocrystalline Hydroxyapatite. International Journal of Molecular Sciences, 2015, 16, 11452-11464.	4.1	21
31	Nanocrystalline hydroxyapatite enriched in selenite and manganese ions: physicochemical and antibacterial properties. Nanoscale Research Letters, 2015, 10, 989.	5.7	38
32	Substituted Hydroxyapatites with Antibacterial Properties. BioMed Research International, 2014, 2014, 1-15.	1.9	183
33	Synthesis, Characterization and in Vitro Evaluation of New Composite Bisphosphonate Delivery Systems. International Journal of Molecular Sciences, 2014, 15, 16831-16847.	4.1	10
34	Nanocrystalline hydroxyapatite doped with selenium oxyanions: A new material for potential biomedical applications. Materials Science and Engineering C, 2014, 39, 134-142.	7.3	58
35	Benign Odontogenic Tumors versus Histochemically Related Tissues: Preliminary Results from Mid-Infrared and Solid-State Nuclear Magnetic Resonance Spectroscopy. Applied Spectroscopy, 2014, 68, 663-671.	2.2	1
36	Inverse 31Pâ†’1H NMR cross-polarization in hydrated nanocrystalline calcium hydroxyapatite. Chemical Physics Letters, 2012, 554, 128-132.	2.6	18

#	Article	IF	Citations
37	Solid-state NMR and IR characterization of commercial xenogeneic biomaterials used as bone substitutes. Journal of Pharmaceutical and Biomedical Analysis, 2012, 61, 136-141.	2.8	17
38	Chinese tombs oriented by a compass: Evidence from paleomagnetic changes versus the age of tombs. Studia Geophysica Et Geodaetica, 2011, 55, 159-174.	0.5	15
39	Incorporation of carbonate and magnesium ions into synthetic hydroxyapatite: The effect on physicochemical properties. Journal of Molecular Structure, 2011, 987, 40-50.	3.6	88
40	Mid-infrared reflectance microspectroscopy of human molars: Chemical comparison of the dentinâ€"enamel junction with the adjacent tissues. Journal of Molecular Structure, 2010, 966, 113-121.	3.6	17
41	Kinetics of solid-state NMR cross-polarization from protons to carbon-13 in surgical sutures. Solid State Nuclear Magnetic Resonance, 2009, 35, 230-234.	2.3	6
42	Concentration of hydroxyl groups in dental apatites: a solid-state 1H MAS NMR study using inverse 31P â†'1H cross-polarization. Chemical Communications, 2007, , 4390.	4.1	51
43	Estimation of the specific surface area of apatites in human mineralized tissues using 31P MAS NMR. Solid State Nuclear Magnetic Resonance, 2007, 32, 53-58.	2.3	35
44	Hydroxyapatite-Based Materials for Potential Use in Bone Tissue Infections. , 0, , .		7